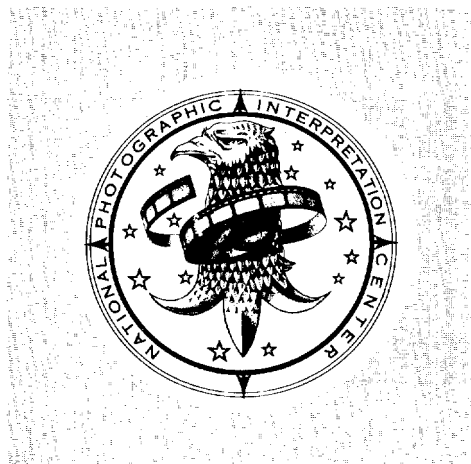


TOP SECRET



NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

OAK

PHOTOGRAPHIC INTERPRETATION REPORT

KH-4 MISSION 1110

IPIR NUMBER 3

MISSION 1110-1 OAK PART III

21-31 MAY 1970

**Handle via
Talent-Keyhole
Channels Only**

TOP SECRET

TCS-20219/70

JUNE 1970

COPY NO 206

29 PAGES

OAK-104/70

WARNING

This document contains information affecting the national security of the United States within the meaning of the espionage laws U. S. Code Title 18, Sections 793 and 794. The law prohibits its transmission or the revelation of its contents in any manner to an unauthorized person, as well as its use in any manner prejudicial to the safety or interest of the United States or for the benefit of any foreign government to the detriment of the United States. It is to be seen only by personnel especially indoctrinated and authorized to receive information in the designated control channels. Its security must be maintained in accordance with regulations pertaining to TALENT-KEYHOLE Control System.

**TARGET CATEGORIES
AND
ASSOCIATED NTP FUNCTIONAL AREAS (CODES)**

- | | |
|--|---|
| 1. STRATEGIC SSM
Deployed Strategic SSM Facilities (A) | 7. GROUND
Ground Force Facilities (G) |
| 2. MISSILE RANGES
Missile Ranges: Strategic SSM/Space Facilities (P)
Missile Ranges: Air-Launched Missile Facilities (Q)
Missile Ranges: Naval-Launched Missile Facilities (R)
Missile Ranges: Tactical SSM Facilities (S)
Missile Ranges: SAM/AMM Facilities (T) | 8. TACTICAL SSM
Deployed Tactical SSM Facilities (H) |
| 3. AIR DEFENSE MISSILES
Deployed AMM Facilities (B)
Deployed SAM Facilities (D) | 9. LOGISTICS
Military Logistics Facilities (K) |
| 4. ELECTRONICS/COMMUNICATIONS
Deployed Communication/Electronic/Radar Facilities (C) | 10. NUCLEAR ENERGY
Atomic Energy Facilities (O) |
| 5. AIR
Air Base Facilities (E) | 11. CBR
CBR Facilities (V) |
| 6. NAVAL
Naval Base Facilities (F) | 12. INDUSTRY
Strategic Weapons Industrial Facilities (J)
General Purpose Weapons Industrial Facilities (L)
Non-Military Industrial Facilities (N)
Communication/Electronic/Radar R&D Facilities (U) |
| | 13. MISCELLANEOUS
Non-Military Logistics Facilities (M)
Miscellaneous/Unidentified Facilities (Z) |

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

Handle Via
Talent-KEYHOLE
Control System Only

Approved For Release 2000/04/17 : CIA-RDP78T04562A000600010007-5

~~TOP SECRET RUFF~~

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

TABLE OF CONTENTS

	PAGE
PREFACE	1
MISSION HIGHLIGHTS	2
UNITED ARAB REPUBLIC	
AIR DEFENSE MISSILES	4
AIR BASE FACILITIES	5
MONGOLIA	
AIR BASE FACILITIES	6
SOVIET UNION	
DEPLOYED STRATEGIC SSM FACILITIES	7
MISSILE RANGES	16
AIR DEFENSE MISSILES	17
NAVAL BASE FACILITIES	20
GROUND FORCE FACILITIES	21
INDUSTRY	23

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

PREFACE

PREFACE

THIS IS THE THIRD AND FINAL OAK REPORT ON MISSION 1110-1, FOR
COMPLETE PREFACE SEE OAK PART 1, 1110-1.

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

HIGHLIGHTS

MISSION HIGHLIGHTS

USSR

MISSILE ACTIVITY

1. AT THE DERAZHNYA MRBM COMPLEX, TWO LAUNCH GROUPS, E AND F, HAVE BEEN NEWLY IDENTIFIED IN A MIDSTAGE OF CONSTRUCTION. OF THE 14 AND ONE POSSIBLE SITES NEWLY IDENTIFIED AT THIS COMPLEX, THREE LAUNCH SITES CANNOT BE ASSOCIATED WITH ANY EXISTING GROUP. THESE MAY BE THE START OF A POSSIBLE GROUP.

2. AT LAUNCH COMPLEX D, SARY-SHAGAN MISSILE TEST CENTER, THE NEW RADAR ON MODIFIED TRY ADD BUILDING A WAS STILL UNCOVERED ON [REDACTED] AT LAUNCH COMPLEX F, AN AREA OF CONSTRUCTION FIRST SEEN ON [REDACTED] IS NOW IDENTIFIED AS A SUSPECT LAUNCH POSITION. A NEW AREA OF UNIDENTIFIED GROUND SCARRING IS IDENTIFIED APPROXIMATELY 3 NM NORTH OF THE COMPLEX C LAUNCH AREA. ON [REDACTED] A NEW ROAD WAS BEING EXTENDED TO THIS NEW AREA FROM THE EXISTING COMPLEX C SERVICE ROAD.

3. AT MOSKVA ABM LAUNCH COMPLEX E15, PROMINENT TRACK ACTIVITY WITH A LOOP TURN-AROUND WAS OBSERVED EXTENDING APPROXIMATELY [REDACTED] WEST OF TRY ADD BUILDING A. THERE IS NO INDICATION THAT CONSTRUCTION ON THE TRY ADD BUILDINGS HAS BEEN RENEWED. HOWEVER, FOOTINGS FOR A LARGE RECTANGULAR STRUCTURE WERE NEWLY OBSERVED IN THE NORTH-CENTRAL PORTION OF THE SUPPORT AND HOUSING AREA. THE DIMENSIONS OF THIS FOUNDATION CONSTRUCTION RESEMBLE THOSE OF THE MULTISTORY APARTMENT-TYPE BUILDINGS AT THIS AND OTHER MOSCOW ABM COMPLEXES.

AIR ACTIVITY

4. A KAZ-A SWING-WING BOMBER, A POSSIBLE KAZ-A, AND A CHARGER (TU-144, SOVIET SST) WERE OBSERVED AT RAMENSKOYE FLIGHT TEST CENTER [REDACTED] ON [REDACTED] SEVEN POSSIBLE FOXBAT WERE ALSO SEEN ON THE SAME DATE. A KAZ-A AND SEVEN PROBABLE FOXBAT WERE PRESENT ON [REDACTED]

MONGOLIA

AIRFIELD ACTIVITY

5. HARD SURFACING OF THE RUNWAY OF BAYANHONGOR AIRFIELD WAS IN PROGRESS ON [REDACTED] AND A PROBABLY HARD-SURFACED RUNWAY

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

HIGHLIGHTS

25X1D

WAS UNDER CONSTRUCTION AT SUMBER SUMA AIRFIELD, ALSO ON
THREE OTHER AIRFIELDS IN MONGOLIA THAT ALREADY HAVE
HARD-SURFACED (CONCRETE) RUNWAYS ARE CHOYBALSAN AIRFIELD NE,
NAYALA AIRFIELD, AND ULAAN BAATAR AIRFIELD SW.

CHINA

25X1D

TOP SECRET RUFF

Talent-KEYHOLE
Control System Only

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

UNITED ARAB REPUBLIC
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

MATRUH T-SHAPED STRUCTURE 1

25X1D

25X1D

31-18-N 027-11-E

STATUS: UNDER CONSTRUCTION

25X1A

PHYSICAL DESCRIPTION:

3.5 NM SW OF MATRUH.

THE FACILITY CONSISTS OF A LINEAR EXCAVATION WITH A PROBABLE STRUCTURE IN THE MIDDLE. IT APPEARS TO BE SIMILAR TO OTHER TARGETS DESIGNATED AS T-SHAPED STRUCTURES LOCATED NEAR THE SUEZ CANAL AND OTHER LOCATIONS IN EGYPT.

25X1D



25X1D

25X1D

25X1D

MATRUH T-SHAPED STRUCTURE 2

25X1A

31-18-N 027-14-E

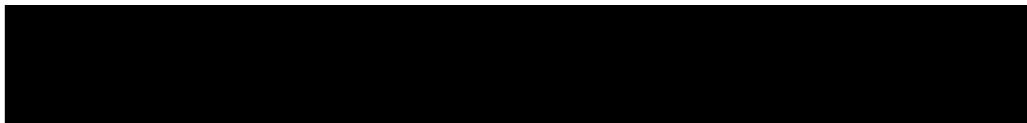
STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

3 NM SOUTH OF MATRUH.

THE NEWLY IDENTIFIED FACILITY CONSISTS OF A LINEAR EXCAVATION SIMILAR TO THOSE DESIGNATED AS T-SHAPED STRUCTURES AND PREVIOUSLY REPORTED NEAR THE SUEZ CANAL AND OTHER LOCATIONS IN EGYPT.

25X1D



Talent-KEYHOLE
Control System Only

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

UNITED ARAB REPUBLIC
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

MERSA MATRUH AIRFIELD

25X1A

25X1D

25X1D

31-19-███N 027-13-███E

25X1A

STATUS: OPERATIONAL

REMARKS:

SEVEN LARGE AIRCRAFT REVETMENTS WERE UNDER CONSTRUCTION.
SURFACING ON RUNWAY EXTENSIONS AND TAXIWAYS CONTINUED.
CONSTRUCTION CONTINUED ON THE HANGARETTES. TWENTY-THREE
CRATE-LIKE OBJECTS WERE OBSERVED IN TWO OF THE NEWLY
CONSTRUCTED LARGE AIRCRAFT REVETMENTS.

AIR ORDER OF BATTLE:
20 SMALL STRAIGHT-WING (AT
LEAST)

ASSOCIATED OBJECTS:
23 CRATE-LIKE OBJECTS

25X1D

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

MONGOLIA
AIR BASE FACILITIES

SIGNIFICANT RESULTS

25X1D BAYANHONGOR AIRFIELD 25X1A 47-21-//N 107-29-//E

STATUS: OPERATIONAL

25X1A

REMARKS:

HARD SURFACING HAS BEGUN ON THE NEW RUNWAY.

AIR ORDER OF BATTLE:
NONE DISCERNIBLE

ASSOCIATED OBJECTS:
NUMEROUS PIECES OF PROB CONSTRUCTION EQUIPMENT

25X1D

25X1D

SUMBER SUMA AIRFIELD

25X1A

25X1D 46-33-//N 108-19-//E

STATUS: NOT OPERATIONAL

25X1A

REMARKS:

A NEW AIRFIELD, IMMEDIATELY NE OF THE INOPERABLE AIRFIELD, WAS UNDER CONSTRUCTION ON [REDACTED] IT CONSISTS OF A SOD LANDING AREA MEASURING 2,761 X 177 METERS (9,058 X 581 FEET) AND EXCAVATING AND SUBSURFACING FOR A PROBABLY HARD-SURFACED RUNWAY MEASURING 1,939 X 46 METERS (6,539 X 151 FEET). A SMALL SUPPORT AREA IS UNDER CONSTRUCTION IMMEDIATELY SW OF THE RUNWAY. EIGHTEEN LARGE TENTS AND APPROXIMATELY 150 VEHICLES AND PIECES OF EQUIPMENT (INCLUDING 30 POSSIBLE TRACKED VEHICLES) ARE AT THE ARMY BARRACKS WHICH IS BEING CONSTRUCTED ON THE INOPERABLE SUMBER SUMA AIRFIELD.

AIR ORDER OF BATTLE:
NONE DISCERNIBLE

25X1D

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

SIGNIFICANT RESULTS

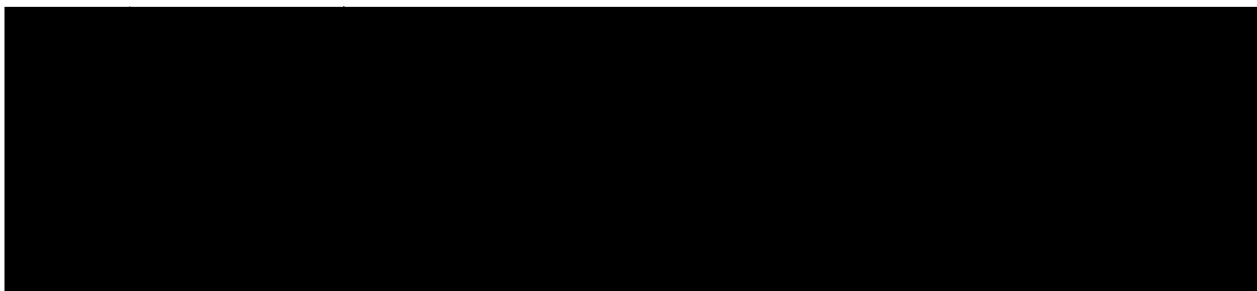
25X1D BORSHCHEV MRBM COMPLEX
NAC

25X1A 25X1D 25X1D
48-52-N 026-06-E

STATUS: OPERATIONAL

REMARKS:

LAUNCH SITE 1, FIXED FIELD SITE 1, AND PART OF FIXED FIELD SITE 2 WERE OBSERVED. NO SILO CONSTRUCTION OBSERVED.



25X1D DERAZHNYA MRBM COMPLEX

25X1A

25X1D 25X1D
49-23-N 027-27-E

STATUS: OPERATIONAL

REMARKS:

MRBM LAUNCH SITE 3, THE NEW RAIL-TO-ROAD TRANSFER POINT, 24 OF THE 31 EXISTING TYPE IIID SILOS, AND PARTS OF LAUNCH SITES 1 AND 2 WERE OBSERVED. TWO POSSIBLE MISSILE TRANSPORTERS WERE VISIBLE AT LAUNCH SITE 3, AND VEHICLES OR PIECES OF EQUIPMENT WERE VISIBLE ON THE PADS AT LAUNCH SITE 1 ON [REDACTED] FOURTEEN TYPE IIID SILOS AND ONE POSSIBLE SILO, INCLUDING TWO LAUNCH GROUP CONTROL SITES (40E AND 49F), ARE NEWLY IDENTIFIED IN AT LEAST TWO NEW IIID LAUNCH GROUPS. PROBABLE TYPE IIID SITE 19B AND POSSIBLE SITE 37C ARE NOW CONFIRMED. THE TOTAL NUMBER OF IIID SITES AT THIS COMPLEX IS NOW 46 AND THREE POSSIBLE, IN AT LEAST SIX GROUPS.

DATA FOR THE NEW SITES --

LAUNCH SITE	GEOGRAPHIC COORDINATES	CONST STAGE	NOT PRESENT	FIRST SEEN
38E 4904	N 2648 E	MID		
39E 4903	N 2635 E	MID		

25X1D

25X1D

7

25X1D

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

	25X1D	25X1D	25X1D
	40E 4901	N 2642	E MID
PROB	41 4901	N 2655	E MID
	42F 4857	N 2658	E MID
	43F 4854	N 2646	E MID
	45D 4918	N 2731	E MID
	46E 4909	N 2648	E MID
	47 4905	N 2659	E MID
POSS	48F 4854	N 2659	E UND
	49F 4853	N 2654	E MID
	50F 4851	N 2657	E MID
	51F 4848	N 2648	E MID
	52F 4850	N 2647	E MID
	53 4907	N 2655	E UND

PHOTOGRAPHIC REFERENCES FOR THE NEW SITES --

	25X1D	25X1D
	LS 38E	
	LS 39E	
	LS 40E	
PROB	LS 41	
	LS 42F	
	LS 43F	
	LS 45D	
	LS 46E	
	LS 47	
POSS	LS 48F	
	LS 49F	
	LS 50F	
	LS 51F	
	LS 52F	
	LS 53	

DROVYANAYA SCALEBOARD LAUNCH SITE 1
NAC

STATUS:OCCUPIED

MISSILE ORDER OF BATTLE:
-- LAUNCH SITE
20 VEHICLES OR PIECES OF
EQUIPMENT (AT LEAST)

-- VEHICLE PARK

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

8 PROB SCALEBOARD RESUPPLY
VEHICLES

30 VEHICLES OR PIECES OF
EQUIPMENT (APPROXIMATELY)

25X1D



25X1D

25X1D

GELLI IRBM COMPLEX
NAC

25X1A 42-43- N 047-25- E

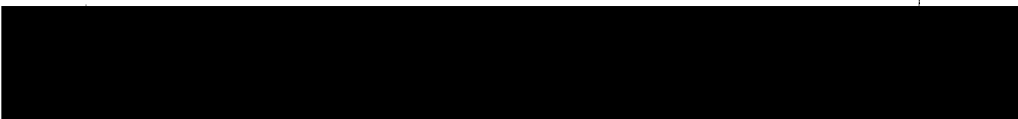
STATUS: OPERATIONAL

REMARKS:

ALL COMPLEX COMPONENTS WERE OBSERVED. NO SILO CONSTRUCTION
OBSERVED.

25X1D

25X1D



25X1D

25X1D

GRANOV IRBM COMPLEX
NAC

25X1A 48-52- N 029-30- E

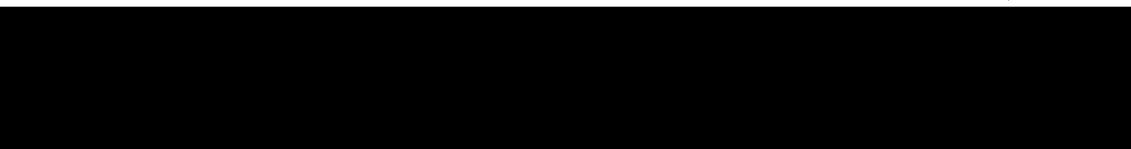
STATUS: OPERATIONAL

REMARKS:

ONLY LAUNCH SITE 3 WAS VISIBLE. PORTIONS OF LAUNCH SITES 1 AND
2 WERE PARTIALLY OBSERVED. NO SILO CONSTRUCTION OBSERVED.

25X1D

25X1D



25X1D

25X1D

KAMENETS-PODOLSKIY MRBM COMPLEX 25X1A

48-52- N 026-51- E

STATUS: UNKNOWN

25X1A

REMARKS:

ONLY FIXED FIELD SITE 2 AND PARTS OF LAUNCH SITES 1 AND 2 WERE
OBSERVED. POSSIBLE ERECTORS WERE VISIBLE ON THE PADS AT BOTH
LAUNCH SITES ON

25X1D

25X1D

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1
25X1D

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

[REDACTED]

25X1D KIVERTSY MRBM COMPLEX
NAC

25X1A 25X1D 25X1D
50-56- N 025-34- E

STATUS: OPERATIONAL

REMARKS:
ONLY LAUNCH SITES 2 AND 3 WERE VISIBLE. NO SILO CONSTRUCTION
OBSERVED.

25X1D [REDACTED]

25X1D KOROSTEN MRBM COMPLEX
NAC

25X1A 25X1D 25X1D
50-52- N 028-24- E

STATUS: OPERATIONAL

REMARKS:
ALL ELEMENTS OF THE COMPLEX WERE AT LEAST PARTIALLY VISIBLE. NO
SILO CONSTRUCTION OBSERVED.

25X1D [REDACTED]

25X1D MARINA GORKA MRBM COMPLEX

25X1A

25X1D 25X1D
53-26- N 027-45- E

STATUS: UNKNOWN

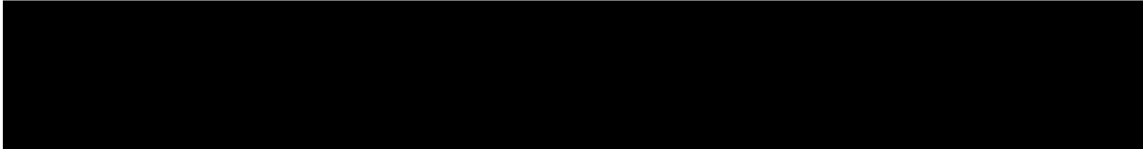
25X1A

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

REMARKS:
THE MARINA GORKA DUMMY SITE WAS CLOUD COVERED. NO SILO
CONSTRUCTION OBSERVED IN VISIBLE PORTIONS OF THE SEARCH AREA.

25X1D



25X1D

NOVOSYSOYEVKA IRBM COMPLEX
NAC

25X1A

25X1D

25X1D

44-09-███ N 133-28-███ E

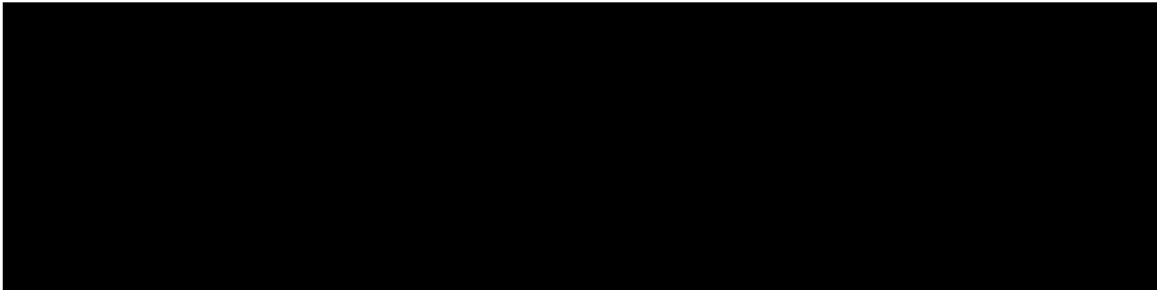
STATUS: OPERATIONAL

25X1D

25X1D

REMARKS:
ALL COMPONENTS OF THE COMPLEX WERE OBSERVED. AT LAUNCH SITE 1
ON █████, A MISSILE EXERCISE WITH AN ERECTED SS-5 MISSILE
ON EACH LAUNCH PAD WAS OBSERVED FOR THE FIRST TIME AT A
DEPLOYED IRBM LAUNCH SITE. ON █████ ONLY AN ERECTOR WAS
OBSERVED ON EACH LAUNCH PAD.

25X1D



25X1D

OSTROG MRBM COMPLEX
NAC

25X1A

25X1D

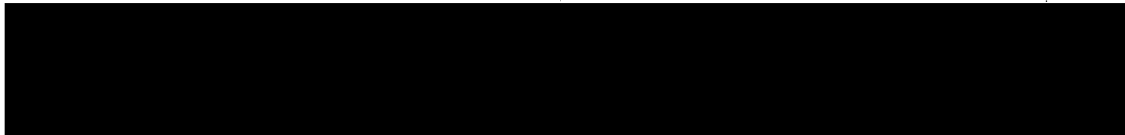
25X1D

50-15-███ N 026-43-███ E

STATUS: OPERATIONAL

REMARKS:
ALL ELEMENTS OF THE COMPLEX WERE AT LEAST PARTIALLY VISIBLE. NO
SILO CONSTRUCTION OBSERVED.

25X1D



TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

POLOTSK MRBM COMPLEX

25X1A

25X1D

25X1D

55-23-██ N 028-39-██ E

STATUS: UNKNOWN

25X1A

REMARKS:

ONLY FIXED FIELD SITE 1 WAS OBSERVED. NO SILO CONSTRUCTION
OBSERVED.

25X1D

25X1D

POSTAVY MRBM COMPLEX
NAC

25X1D

25X1D

25X1A 55-15-██ N 026-52-██ E

STATUS: OPERATIONAL

REMARKS:

ALL COMPONENTS OF THE COMPLEX EXCEPT PART OF LAUNCH SITE 1 AND
FIXED FIELD SITES 1 AND 2 WERE OBSERVED. NO SILO CONSTRUCTION
OBSERVED.

25X1D

25X1D

TAYBOLA IRBM COMPLEX

25X1A

25X1D

25X1D

68-29-██ N 033-19-██ E

STATUS: UNKNOWN

25X1A

REMARKS:

NO COMPONENTS OF THE COMPLEX WERE OBSERVED. NO SILO
CONSTRUCTION WAS OBSERVED IN VISIBLE PORTIONS OF THE SEARCH
AREA.

25X1D

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1D UMAN MRBM COMPLEX

25X1A

25X1D 48-56-25X1D N 030-26-25X1D E

STATUS:UNKNOWN

25X1A

REMARKS:

ONLY PORTIONS OF LAUNCH SITES 1 AND 3 WERE OBSERVED. NO SILO
CONSTRUCTION OBSERVED.

25X1D USOVO MRBM COMPLEX

NAC

25X1A 25X1D 51-18-25X1D N 028-12-25X1D E

STATUS:OPERATIONAL

REMARKS:

ALL ELEMENTS OF THE COMPLEX WERE PARTIALLY VISIBLE. NO SILO
CONSTRUCTION OBSERVED.

25X1D VSELYUB MRBM COMPLEX

NAC

25X1A 25X1D 53-46-25X1D N 025-45-25X1D E

STATUS:OPERATIONAL

REMARKS:

ONLY LAUNCH SITE 1 AND PART OF LAUNCH SITE 2 WERE OBSERVED. NO
SILO CONSTRUCTION OBSERVED.

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1D ZHITOMIR MRBM COMPLEX
[REDACTED] NAC

25X1D 25X1D
25X1A 50-07-[REDACTED] N 028-16-[REDACTED] E

STATUS: OPERATIONAL

REMARKS:

ALL ELEMENTS OF THE COMPLEX WERE OBSERVED. NO SILO
CONSTRUCTION OBSERVED. LAUNCH SITE 1 WAS INACTIVE WITH NO
EQUIPMENT VISIBLE IN THE LAUNCH SITE.

25X1D ZHMERINKA MRBM COMPLEX

25X1A

25X1D 25X1D
49-09-[REDACTED] N 028-08-[REDACTED] E
25X1A

STATUS: OPERATIONAL

REMARKS:

ALL COMPONENTS OF THE COMPLEX WERE OBSERVED. AT FIXED FIELD
SITE 1, A CONCRETE STRIP WAS VISIBLE IN THE SECOND SOUTHERNMOST
LAUNCH POSITION. NO SILO CONSTRUCTION OBSERVED.

25X1D DROVYANAYA SCALEBOARD LAUNCH SITE 2
[REDACTED] NAC

25X1D 25X1D
25X1A 51-32-[REDACTED] N 113-04-[REDACTED] E

STATUS: UNOCCUPIED

OTHER RESULTS-NO APPARENT CHANGE

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

DROVYANAYA SCALEBOARD LAUNCH SITE 3
[REDACTED] NAC

25X1A

51-27-[REDACTED]N 112-56-[REDACTED]E

25X1D

25X1D

25X1D

STATUS:UNOCCUPIED
[REDACTED]

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
MISSILE RANGES

SIGNIFICANT RESULTS

25X1D

SARY-SHAGAN MISSILE TEST CENTER

25X1A

46-11- N 072-41- E

25X1D

25X1D

STATUS: OPERATIONAL

25X1A

REMARKS:

ALL FACILITIES TO THE EAST OF AND INCLUDING TRACKING FACILITY 9 WERE COVERED ON PHOTOGRAPHY OF GENERALLY POOR-TO-FAIR INTERPRETABILITY. THE RANGEHEAD AREA WAS SEEN ON GENERALLY CLEAR PHOTOGRAPHY WITH SCATTERED CLOUDS PREDOMINATING WEST OF THE OPERATIONAL SUPPORT BASE. NO SIGNIFICANT CHANGES WERE SEEN AT LAUNCH COMPLEXES A, B, AND C. AT LAUNCH COMPLEX D, THE RADOME SECTIONS FOR TRY ADD BUILDING A REMAINED ON THE GROUND. HOWEVER, HAZE PRECLUDED DETAILED INTERPRETATION OF THE UNIDENTIFIED ANTENNA UNDER CONSTRUCTION. A POSSIBLE THIRD GALOSH-TYPE LAUNCH POSITION WAS UNDER CONSTRUCTION AT LAUNCH COMPLEX F ON . AT THE SUSPECT ELECTRONICS FACILITY NORTH OF LAUNCH COMPLEX D, AN AREA OF UNIDENTIFIED ACTIVITY WAS NEWLY OBSERVED APPROXIMATELY 2,442 METERS (8,011 FEET) NNE OF THE TWO LINEAR TRENCHES. SCARRING INDICATES THAT A FIVE-SIDED AREA ENCLOSING APPROXIMATELY 22 HECTARES (54 ACRES) WILL BE DOUBLE FENCED. ANOTHER AREA OF NEW ACTIVITY WAS ALSO PRESENT IN THE RANGEHEAD AREA WEST OF THE MOINTY-CHU RAIL LINE. IT CONSISTED OF SEVERAL UNIDENTIFIED RANDOM SCARS APPROXIMATELY 2.5 NM NE OF THE LAUNCH COMPLEX C LAUNCH AREA. A NEW ROAD WAS BEING GRADED TOWARDS THE AREA, BEGINNING AT THE POINT WHERE THE LAUNCH COMPLEX C LAUNCH AREA ACCESS ROAD CROSSES THE MOINTY-CHU RAIL LINE.

(SEE ATTACHMENT)

25X1D

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
AIR DEFENSE MISSILES

SIGNIFICANT RESULTS

25X1D

CHEKHOV ABM/SPACE RADAR SITE A 25X1A

25X1D

25X1D

55-14- [REDACTED] N 037-18- [REDACTED] E

STATUS: UNDER CONSTRUCTION

25X1A

REMARKS:

25X1D

AT RADAR SITE A BY [REDACTED] THE ANTENNA STRUCTURE HAD BEEN EXTENDED BY THE ADDITION OF THREE PRINCIPAL STRUCTURAL MEMBERS AND THEIR ATTENDANT SUPPORTING MEMBERS. TO THAT DATE, SIX PRINCIPAL STRUCTURAL MEMBERS HAD BEEN ERECTED ON ANTENNA FOUNDATION FOOTINGS AT THE RADAR SITE. THE LARGE RAIL-MOUNTED CONSTRUCTION CRANE WAS IMMEDIATELY SOUTH OF THE ANTENNA FRAMEWORK. AN ADDITIONAL STORY WAS UNDER CONSTRUCTION ON THE CONTROL BUILDING. ADDITIONAL CONDUIT SECTIONS HAD BEEN EMBEDDED IN THE TRENCH WHICH EXTENDS FROM THE RADAR SITE TOWARD THE ROAD WHICH CONNECTS RADAR SITES A AND B. NO CHANGES WERE DISCERNED IN THE ON-SITE SUPPORT FACILITIES. AN UNDETERMINED NUMBER OF ADDITIONAL CRATES WAS OBSERVED IN THE MATERIEL STORAGE AREA.

25X1D



25X1D

25X1D

CHEKHOV ABM/SPACE RADAR SITE B

25X1A

55-12- [REDACTED] N 037-18- [REDACTED] E

25X1D

STATUS: UNDER CONSTRUCTION

25X1A

REMARKS:

25X1D

AT RADAR SITE B ON [REDACTED] THE ANTENNA STRUCTURAL FRAMEWORK APPEARED TO BE COMPLETE. OBLIQUITY PRECLUDED DETERMINATION OF THE STATUS OF ANTENNA FACING WORK. AN ADDITIONAL STORY WAS BEING CONSTRUCTED ON THE CONTROL BUILDING. AT THE ON-SITE SUPPORT FACILITIES, WALLS HAD BEEN ERECTED ON A PREVIOUSLY OBSERVED BUILDING FRAMEWORK. WALLS WERE ALSO UNDER CONSTRUCTION FOR A PROBABLE COOLING FACILITY ON THE SITE OF A PREVIOUSLY OBSERVED EXCAVATION. THE MATERIEL STORAGE AREA WAS DEVOID OF CRATES. THE TRENCH WHICH EXTENDS FROM THE POWER SUBSTATION THROUGH THE RADAR SITE HAD BEEN EXTENDED WESTWARD FROM A POINT JUST NORTH OF RADAR SITE B, NEARLY TO THE ROAD WHICH CONNECTS RADAR SITES A AND B. ADDITIONAL CONDUIT SECTIONS HAD BEEN PLACED IN THIS TRENCH. THE TRENCH ADJACENT TO THE ROAD WHICH CONNECTS THE RADAR SITES HAD BEEN LENGTHENED AND

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
AIR DEFENSE MISSILES

CONTAINED ADDITIONAL CONDUIT SECTIONS. NO SIGNIFICANT CHANGES WERE APPARENT IN THE POWER SUBSTATION, THE MAIN HOUSING AREA, THE RAIL YARD, OR THE STORAGE AREA. ADDITIONAL EXCAVATING WAS OBSERVED AT THE NORTH CONSTRUCTION SUPPORT AREA. NO ADDITIONAL SIGNIFICANT CHANGES WERE OBSERVED IN THE SUPPORT FACILITIES.

MISSILE ORDER OF BATTLE:
80 VEHICLES (APPROXIMATELY)

25X1D [REDACTED]

25X1D Leningrad SA-5 LAUNCH CPLX SEARCH AREA

59-55-//N 030-20-//E

25X1A
STATUS: UNKNOWN

25X1A

REMARKS:
NO NEW ABM OR SAM FACILITIES OR ELECTRONICS FACILITIES WERE OBSERVED. THE SEARCH IS CONTINUING,

25X1D [REDACTED]

25X1D MOSKVA ABM LAUNCH COMPLEX E15

25X1D 55-09- [REDACTED] N 038-22- [REDACTED] E

25X1A
STATUS: NOT OPERATIONAL

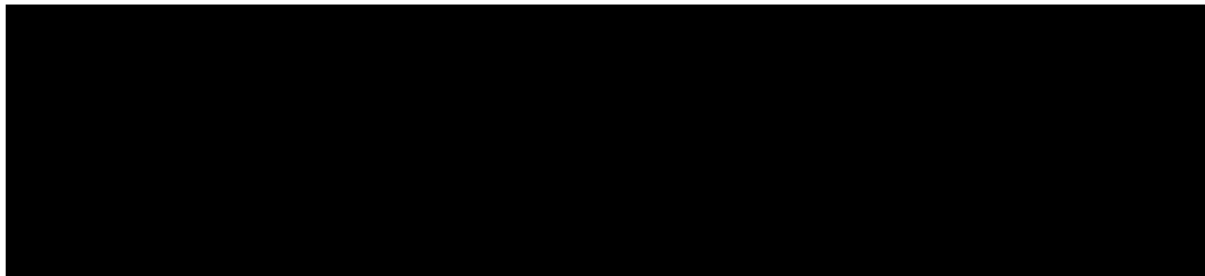
25X1A

25X1D
25X1D
25X1D
25X1D
REMARKS:
EVIDENCE OF MINOR ACTIVITY IS OBSERVED AT THE COMPLEX. PROMINENT TRACK ACTIVITY WITH A LOOP TURN-AROUND EXTENDS APPROXIMATELY [REDACTED] WEST OF TRY ADD BUILDING A. THE LOOP MEASURES APPROXIMATELY [REDACTED] THIS LOOP IS APPROXIMATELY ONE-HALF THE SIZE OF THE LOOP ROADS AT THE ACTIVE LAUNCH COMPLEXES AND LAUNCH POSITIONS B3 AND B4 AT LAUNCH COMPLEX B, SARY-SHAGAN MISSILE TEST CENTER. EARTH SCARRING WAS ALSO OBSERVED AROUND THE SUPPORT BUILDINGS IMMEDIATELY EAST OF THE TRY ADD BUILDINGS. A NEW FOUNDATION, APPROXIMATELY [REDACTED] FEET) WAS IDENTIFIED IN THE NORTH-CENTRAL PORTION OF THE SUPPORT AREA. THERE IS NO EVIDENCE THAT CONSTRUCTION HAS BEEN RENEWED ON THE TRY ADD BUILDINGS.

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
AIR DEFENSE MISSILES

25X1D



MOSKVA ABM SEARCH AREA

25X1A

55-45-//N 037-37-//E

25X1D



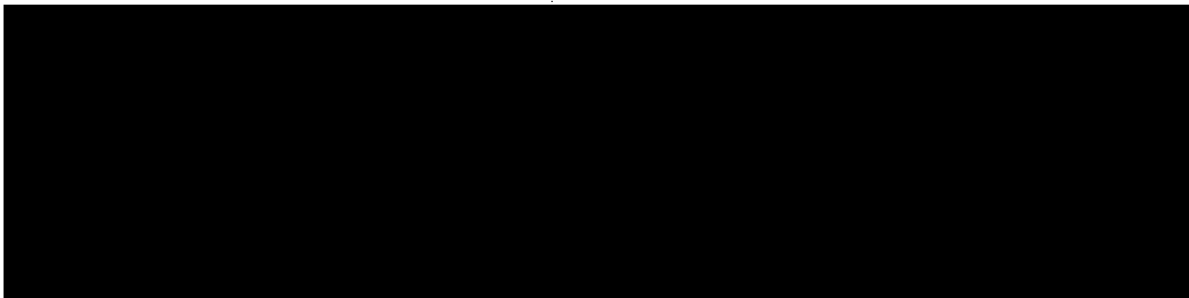
25X1A

STATUS: UNKNOWN

REMARKS:

NO NEW ABM OR ASSOCIATED FACILITIES WERE OBSERVED. THE SEARCH
IS CONTINUING.

25X1D



TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
NAVAL BASE FACILITIES

SIGNIFICANT RESULTS

25X1D

PALA GUBA NAVAL BASE + SHIP RPR YARD
NAC

25X1D 25X1D
25X1A 69-12- N 033-25- E

STATUS: OPERATIONAL

REMARKS:

A LARGE OBJECT WAS OBSERVED IN A FLOATING DRYDOCK AND APPEARED TO HAVE SCAFFOLDING NEAR AN OPENING AT THE CENTER OF THE OBJECT.

NAVAL ORDER OF BATTLE:

2 POSS E SSGN
1 LARGE SS
1 POSS LARGE SS
1 MEDIUM SS
1 POSS AR
1 POSS PM-124 YRSN

2 AUXILIARIES
2 FLOATING DRYDOCKS
4 SMALL VESSELS
1 FLOATING CRANE
1 LARGE UNIDENTIFIED OBJECT
IN FLOATING DOCK

25X1D

Handle Via
Talent-KEYHOLE
Control System Only

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
GROUND FORCE FACILITIES

SIGNIFICANT RESULTS

25X1D

BIDZHAN MIL INSTL SW

25X1A

25X1D

25X1D

47-57-██ N 131-56-██ E

STATUS: UNDER CONSTRUCTION

PHYSICAL DESCRIPTION:

THIS BARRACKS AREA CONTAINS TWO PROBABLE ADMINISTRATION BUILDINGS, 12 BARRACKS (PROBABLY ONE-STORY), ONE PROBABLE BARRACKS UNDER CONSTRUCTION, ONE PROBABLE STORAGE BUILDING UNDER CONSTRUCTION, TWO PROBABLE SUPPORT BUILDINGS, ONE POSSIBLE MAINTENANCE BUILDING UNDER CONSTRUCTION, AND ONE VEHICLE STORAGE BUILDING. A TENT CAMP CONSISTING OF AT LEAST 200 PYRAMIDAL AND SIX GENERAL PURPOSE TENTS AND A VEHICLE PARK ARE APPROXIMATELY 1 NM WNW OF THE BARRACKS AREA. A PROBABLE TANK FIRING RANGE IS APPROXIMATELY 2 NM WNW OF THE BARRACKS AREA.

GROUND FORCE ORDER OF BATTLE:

33 PROB TANKS
200 OTHER VEHICLES OR
PIECES OF EQUIPMENT
(APPROXIMATELY)

25X1D

25X1D

25X1D

YEKATERINOSLAVKA MIL INSTALLATION WEST

50-21-██ N 129-06-██ E

25X1D

STATUS: UNDER CONSTRUCTION

25X1A

PHYSICAL DESCRIPTION:

ON THE WESTERN EDGE OF YEKATERINOSLAVKA, THIS INSTALLATION CONSISTS OF TWO PROBABLE ADMINISTRATION BUILDINGS, NINE PROBABLE BARRACKS, THREE EXCAVATIONS FOR PROBABLE BARRACKS, FIVE STORAGE OR SUPPORT BUILDINGS, ONE MESSHALL UNDER CONSTRUCTION, EXCAVATIONS AND PRELIMINARY CONSTRUCTION FOR FIVE OTHER BUILDINGS, AND A VEHICLE PARK. A REVIEW OF PHOTOGRAPHY REVEALS THAT CONSTRUCTION OF THIS INSTALLATION BEGAN AFTER

25X1D

25X1D

GROUND FORCE ORDER OF BATTLE:

200 VEHICLES OR PIECES OF

Approved For Release 2000/04/17 : CIA-RDP78T04562A000600010007-5
25X1D

Approved For Release 2000/04/17 : CIA-RDP78T04562A000600010007-5

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
INDUSTRY

SIGNIFICANT RESULTS

25X1D

RAMENSKOYE FLIGHT TEST CENTER
[REDACTED] NAC

25X1D 25X1D
25X1A 55-33- [REDACTED] N 038-07- [REDACTED] E

STATUS: OPERATIONAL

25X1D

ASSOCIATED OBJECTS:

[REDACTED] -- MYASISHCHEV AREA
1 BOUNDER

2 BISON

25X1D

[REDACTED] -- TRANSIENT AREA

1 PROB BEAGLE

2 PROB COKE

5 CAMEL

1 CAB

2 COOT

3 SMALL SWEEP-WING

4 CAT/CUB

2 HOOK/HARKE

25X1D

[REDACTED] -- MIL AREA

5 MEDIUM HELICOPTERS
(APPROXIMATELY)

25X1D

[REDACTED] -- ILYUSHIN AREA

1 CLASSIC

1 HOMER

1 CAMEL

2 POSS SMALL SWEEP-WING

4 COOT

1 UNIDENTIFIED POSS
AIRCRAFT

2 MAY

25X1D

[REDACTED] -- CROSSOVER AREA

2 CAMEL

2 PROB MANDRAKE

3 CAT/CUB

30 SMALL DELTA/SWEEP-WING

3 POSS FOXBAT

25X1D

[REDACTED] -- EAST PARKING AREA

1 POSS KAZ-A

1 POSS BADGER

2 BLINDER

1 CHARGER

1 POSS BLINDER

1 POSS CARELESS

8 BADGER

1 COOKPOT

25X1D

[REDACTED] -- YAKOVLEV AREA

6 CODDLING

5 SMALL STRAIGHT-WING

2 SMALL SWEEP-WING

25X1D

[REDACTED] -- MIKOYAN AREA

4 POSS FOXBAT

5 SMALL DELTA/SWEEP-WING

25X1D

[REDACTED] -- IN ADJACENT AREA

TOP SECRET RUFF

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
INDUSTRY

2 LIGHT STRAIGHT-WING

███ -- SUKHOY AREA
8 SMALL DELTA/SWEPT-WING

███ -- IN ADJACENT AREA
2 PROB CAMEL

███ -- TUPOLEV AREA

1 KAZ-A
3 BEAR
3 BLINDER
1 BADGER

1 LIGHT STRAIGHT-WING

2 FIDDLER
1 CLEAT
2 COOKPOT
1 MED SWEPT-WING

███ -- MYASISHCHEV AREA
1 BOUNDER

2 BISON

███ -- TRANSIENT AREA

1 PROB BEAGLE
4 CAMEL
2 COOT
4 CAT/CUB
2 COKE

1 CRATE
1 CAB
3 SMALL SWEPT-WING
2 HOOK/HARKE

███ -- MIL AREA
5 MEDIUM HELICOPTERS (AT
LEAST)

███ -- ILYUSHIN AREA

1 CLASSIC
1 CAMEL
3 COOT
2 MAY

1 HOMER
3 SMALL DELTA/SWEPT-WING
1 UNIDENTIFIED POSS
AIRCRAFT

███ -- CROSSOVER AREA

3 PROB FOXBAT
1 CAMEL
3 CAT/CUB

3 PROB MANDRAKE
23 SMALL DELTA/SWEPT-WING

███ -- EAST PARKING AREA

5 BLINDER
9 BADGER

1 FIDDLER
1 COOKPOT

███ -- YAKOVLEV AREA

3 CODDLING
2 SMALL SWEPT-WING

5 SMALL STRAIGHT-WING

███ -- MIKOYAN AREA

TOP SECRET RUFF

TCS-20219/70 - IPIR 3
KH-4 MISSION 1110-1

SOVIET UNION
INDUSTRY

4 PROB FOXBAT

5 SMALL DELTA/SWEPT-WING

25X1D [REDACTED] -- IN ADJACENT AREA
2 LIGHT STRAIGHT-WING

25X1D [REDACTED] -- SUKHOY AREA
10 SMALL DELTA/SWEPT-WING

25X1D [REDACTED] -- IN ADJACENT AREA
2 CAMEL
1 COOT

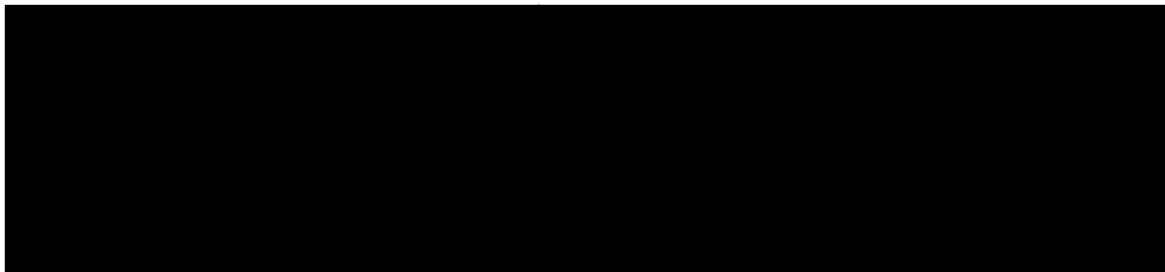
1 LIGHT STRAIGHT-WING

25X1D [REDACTED] -- TUPOLEV AREA
1 KAZ-A
3 BEAR
4 BLINDER
2 FIDDLER
1 CARELESS

1 CAMEL
2 CRUSTY
1 CLEAT
2 COOKPOT

25X1D [REDACTED] -- ON TAXIWAYS
1 PROB BADGER
1 PROB BEAGLE

1 PROB CODDLING
1 BADGER AIRBORNE



TOP SECRET RUFF

Attachments

Approved For Release 2000/04/17 : CIA-RDP78T04562A000600010007-5
25X1D

Approved For Release 2000/04/17 : CIA-RDP78T04562A000600010007-5

KH-4 MISSION 1110-1, 21-31 MAY 1970

Table 1. DEPLOYED ICBM COMPLEXES AND TYURATAM MTC

COMPLEX	SS-7	SS-8	SS-9	SS-11	SS-13	OTHER	TOTAL * LAUNCHERS	LAUNCH GROUPS	LAUNCHERS	
	TYPE 11A, B&D &111A	TYPE 11C & 111B	TYPE 111C	TYPE 111D	TYPE 111E	UNDET TYPE		IDENT. /	NEW THIS MISSION	DROPPED THIS MISSION
	SITES	LAUNCHERS	LAUNCHERS						INCLUDED IN TOTAL	
ALEYSK			30				30	5 4		
DOMBAROVSKIY			60				60	10 7		
★ DROVYANAYA	6 15			50			65	5 5		
GLADKAYA	3 7			60			67	6 6		
IMENI GASTELLO			48				48	8 6		
ITATKA	3 6						6			
KARTALY			36				36	6 5		
KOSTROMA	7 15			90			105	9 8		
★ KOZELSK		5 12		110			122	11 10		
NOVOSIBIRSK	5 12						12			
OLOVYANNAYA	3 9			90			99	9 9		
★ OMSK		1 3					3			
PERM	6 13			75			88	8 6		
★ PLESETSK MSC	3 7	2 4					11 **			
SHADRINSK	3 9						9			
★ SVOBODNY	8 17			60			77	6 6		
TATISHCHEVO				120			120	12 12		
★ TEYKOVO	6 12			79			91	8 6		
TYUMEN		2 4					4			
★ UZHUR			55				55	10 8		
VERKHNYAYA SALDA	9 20						20			
★ YEDROVO	8 18			104			122	12 7		
YOSHKAR-OLA	6 12				59		71	6 2		
YURYA	11 25						25			
ZHANGIZ-TOBE			48				48	8 6		
TOTALS	87 197	10 23	277	838	59		1394	139 113		

* TYURATAM MTC	TOTAL LAUNCHERS INCLUDE 17 SSM R&D SPACE LAUNCH POSITIONS	73 (1)			
----------------	--	--------	--	--	--

*TOTAL DOES NOT INCLUDE THE TRAINING SITES AT THE 17 SINGLE-SILO COMPLEXES NOR THE TYPE 11D LAUNCH SITES AT THE DERAZHNYA MRBM COMPLEX AND THE PERVOMAYSK IRBM COMPLEX.

**NOT INCLUDED ARE THE 8 TYPE 1, 6 OTHER TYPE II, 10 TYPE 11E AND 3 UNDETERMINED TYPE-III LAUNCH POSITIONS

* COVERED THIS MISSION

PARENS INDICATE POSSIBLE LAUNCHERS AND ARE NOT INCLUDED IN COUNT

KH-4 MISSION 1110-1, 21-31 MAY 1970

Table 2. SOVIET MRBM AND IRBM DEPLOYMENT

GEOGRAPHIC AREA	SOFT MRBM LAUNCH SITES	SOFT IRBM LAUNCH SITES	HARD MRBM LAUNCH SITES	HARD IRBM LAUNCH SITES	TOTAL LAUNCH SITES	TOTAL LAUNCH POSITIONS
WESTERN	104	10*	18	10	142	556**
CAUCASUS	3		2	3	8	29
CENTRAL ASIA	2	1	1	3	7	25
FAR EASTERN	6	1		1	8	35
TOTALS	115	12	21	17	165	645**

Totals do not include 104 fixed field-type sites with total of 389 launch positions and one launch facility at Sovetskaya Gavan

*One has only 2 pads

**Totals do not include the 68 inactive launch positions at Gvardeysk, Simferopol, Barano-Orenburgskoye, Balta (1 site), Uman (2 sites), Paplaka, Mukachevo, Derazhnya (2 sites), Ugolnyy, and Zhitomir (1 site) Complexes

Table 3. TYPE IIID LAUNCH SITES AT MR/IRBM COMPLEXES

COMPLEX	SITES *	LAUNCH GROUPS		LAUNCHERS	
		IDENTIFIED	COMPLETE	NEW THIS MISSION	DROPPED THIS MISSION
				INCLUDED IN TOTAL	
★ DERAZHNYA	46 (3)	6	0	14 (1)	
★ PERVOMAYSK	55	6	1	2	
Totals*	101(3)	12	1	16 (1)	

*Totals do not include training sites

Parens indicate possible site and are not included in count

★ Covered this mission

Approved For Release 2000/04/17 : CIA-RDP78-01562A000600010007-5

TOP SECRET

Approved For Release 2000/04/17 : CIA-RDP78-01562A000600010007-5

TOP SECRET